# ABSTRACT OF THE DISCLOSURE

## Context Filtering

The invention relates to service delivery, for example, in the context of mobile user interface devices. In particular, the invention describes methods for matching

5   structured descriptions where the structured descriptions specify aspects or attributes of the requestor and/or the requestors' environment or context as well as the available services. The process includes the steps of detecting a context detecting the environment in which the matching is to occur, matching the detected context to a concept list appropriate to the detected context, using the concept list to transform the

10  one or more structured descriptions into reduced structured descriptions, matching the one or more reduced structured descriptions; and providing an output representing the matching between the structured descriptions. This allows for simplification, in matching process which reduces bandwidth requirements as the services requested or accessed are reduced depending on the requestors context. Other embodiments take

15  into account ontology mismatch between the entities which are being matched. Examples of applications of the invention are in the context of a user requesting net-based services. According to the invention the choices offered to the user are efficiently and quickly reduced in order to eliminate those which are irrelevant to the users context. Context detection proceeds concurrently with the request or matching

20  process and will accurately reflect a dynamically changing user environment.